

Converting Colors

$Y_{xy}(33.8014, 0.3354, 0.2649)$

Have a look what the booklet for
Yxy(33.8014, 0.3354, 0.2649)
contains.

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Color

Yxy(33.8949, 0.3344, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	CD87BB
RGB	205, 135, 187
RGB Percent	80%, 53%, 73%
CMY	0.1962, 0.4705, 0.2666
CMYK	0.00, 0.34, 0.09, 0.20
HSL	315°, 41%, 67%
HSV	315°, 34%, 80%
XYZ	42.8038, 33.8949, 51.3032
YIQ	161.8580, 25.0280, 31.0120

Conversions

Conversions Part 2

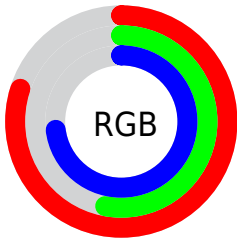
Format	Color
R_{YB}	205, 135, 187
Decimal	13469627
CIE _{Lab}	64.88, 34.64, -16.18
CIE _{LCh}	65, 38.230, 334.957
Yxy	33.8949, 0.3344, 0.2648
Android (android.graphics.Color)	4291659707 (0xFFCD87BB)
YUV	161.8580, 12.3950, 37.8355
Hunter-Lab	58.2193, 29.3524, -11.4931

Details

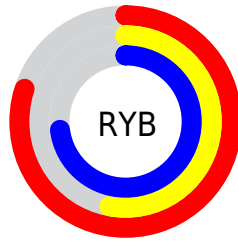
The Yxy color **33.8949, 0.3344, 0.2648** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.0986, 0.2966, 0.4034**, and the grayscale version is **35.9945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1263, 0.3246, 0.2753**, and **14.5459, 0.3404, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **28.4945, 0.3428, 0.2463**, and if you desaturate by 10%, it is **40.4076, 0.3269, 0.2840**.

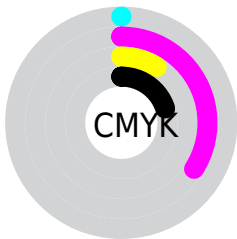
Distribution



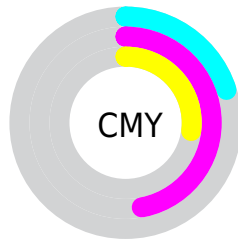
- Red (80%)
- Green (53%)
- Blue (73%)



- Red (80%)
- Yellow (53%)
- Blue (73%)



- Cyan (0%)
- Magenta (34%)
- Yellow (9%)
- Black (20%)





- Cyan (20%)
- Magenta (47%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8949, 0.3344, 0.2648 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.8949, 0.3344, 0.2648 by changing the saturation by 10% instead.

 33.8949, 0.3344,
0.2648


 33.8949, 0.3344,
0.2648


319.6632, 0.3238,
0.2968


 22.8129, 0.3370,
0.2569


 65.7702, 0.3306,
0.2764

 14.4554, 0.3402,
0.2467


 87.3323, 0.3292,
0.2808

 8.4381, 0.3444,
0.2334


 113.1564, 0.3279,
0.2844

 4.3765, 0.3500,
0.2149

143.6272, 0.3269,
0.2876

 1.8863, 0.3578,
0.1881

179.1288, 0.3260,
0.2904

 0.5401, 0.3730,
0.1369

220.0457, 0.3252,

 0.0000, 0.3736,

0.2928

0.0000

266.7624, 0.3244,
0.2949

0.0000, 0.0000,
0.0000

33.8949, 0.3344,
0.2648

33.8949, 0.3344,
0.2648

28.4945, 0.3428,
0.2463

40.4076, 0.3269,
0.2840

24.1384, 0.3522,
0.2294

48.0865, 0.3204,
0.3031

20.7582, 0.3622,
0.2151


56.9874, 0.3148,
0.3216


18.2752, 0.3726,
0.2044


67.1612, 0.3100,
0.3392


16.5989, 0.3832,
0.1981

78.6559, 0.3060,
0.3558


 15.6193, 0.3934,
0.1966

 89.5870, 0.3026,
0.3681

 15.2524, 0.3993,
0.1974

 89.8679, 0.2998,
0.3623

 90.1577, 0.2969,
0.3565

 90.4564, 0.2941,
0.3508

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.8949, 0.2756, 0.2415



33.8949, 0.3344, 0.2648



33.8949, 0.3919, 0.3021

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.8949, 0.3344, 0.2648



33.8949, 0.3944, 0.4270



33.8949, 0.2105, 0.2938

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.8949, 0.3344, 0.2648



51.0986, 0.2966, 0.4034

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.8949, 0.2365, 0.3521



33.8949, 0.3344, 0.2648



33.8949, 0.3417, 0.4367

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.8949, 0.3344, 0.2648



33.8949, 0.4269, 0.3919



33.8949, 0.2838, 0.4088



33.8949, 0.2090, 0.2536

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.8949, 0.3344, 0.2648



33.8949, 0.4188, 0.3316



33.8949, 0.2838, 0.4088



33.8949, 0.2165, 0.3119

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.8964, 0.3344, 0.2648



84.3811, 0.3180, 0.3106



28.4646, 0.2667, 0.2320



17.6275, 0.3189, 0.3079



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.8964, 0.3344, 0.2648



48.8266, 0.3406, 0.2510



32.5920, 0.3721, 0.3067



11.3526, 0.3176, 0.3119



9.5148, 0.3980, 0.1966



0.5027, 0.3797, 0.1866

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.8964, 0.3344, 0.2648



48.8266, 0.3406, 0.2510



52.4077, 0.2750, 0.3529



11.3526, 0.3176, 0.3119



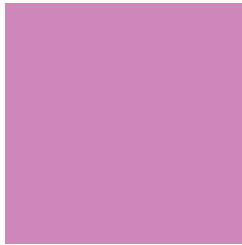
9.5148, 0.3980, 0.1966



0.5027, 0.3797, 0.1866

Previews

White Background



This preview shows how the Yxy color 33.8949, 0.3344, 0.2648 looks on a white background.

Color Contrast Check

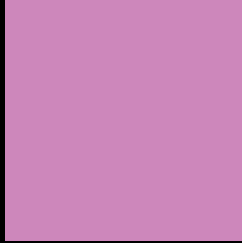
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.8949, 0.3344, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

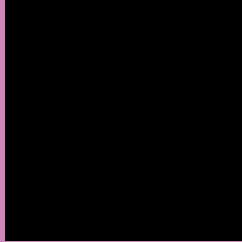
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8949, 0.3344, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 33.8949, 0.3344, 0.2648.



This preview shows how white text looks on a background with the Yxy color 33.8949, 0.3344, 0.2648.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.8949, 0.3344, 0.2648

Protanopia

34.1522, 0.2663, 0.2643

Deuteranopia

34.1490, 0.2929, 0.2866



Tritanopia

34.0305, 0.3662, 0.3161

Trichromacy



Original Color

33.8949, 0.3344, 0.2648

Protanomaly

33.4265, 0.2874, 0.2624

Deuteranomaly

33.7173, 0.3072, 0.2776

Tritanomaly

33.7384, 0.3539, 0.2957

Monochromacy



Original Color

33.8949, 0.3344, 0.2648

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.8617, 0.3209, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8949, 0.3344, 0.2648 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 135, 187)` looks like.

```
.text, #text, p{  
    color:rgb(205, 135, 187)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 135, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 135, 187) }
```

Border

The CSS property to change the border of an element to Yxy 33.8949, 0.3344, 0.2648 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 135, 187) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 135, 187) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(205, 135, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 135, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 135, 187);  
box-shadow:4px 4px 4px 4px rgb(205, 135,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8949, 0.3344, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 135, 187) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
135, 187) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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